Inspiring Innovation • Persistent Perfection

Rampage IV Extreme/BATTLEFIELD 3
The most powerful X79 board with Battelfield 3 bundled has arrived!

- 2nd Generation Intel® Core™ i7 processor family for the LGA 2011 Socket
- Intel® X79 Express Chipset
- X-Socket - Get more life out of your LGA1366 CPU coolers
- OC Key - The key to real time monitoring and overclocking!
- Subzero Sense - Find out how cold your board is
- VGA Hotwire - Hotwire your system

The Rampage IV Extreme/Battelfield3 aims to fulfill PC enthusiasts' needs towards superior performance. The Rampage IV Extreme/Battlefield3 motherboard supports the latest LGA 2011 socket for 2nd generation Intel® Core™ i7 and Extreme Edition Processors, and it ships with some truly revolutionary advanced features. New is the OC Key, a dongle device that allows you to monitor and adjust system settings in real-time, even while in-game without any extra software needed while the X-Socket feature allows you to keep using a LGA 1366 CPU cooler on a X79 Rampage IV Extreme/Battelfiled3 motherboard, saving you your hard earned cash. Tactical video support is available for 4-Way SLI and CrossFireX, which helps drive home the smoothest gaming experience. With great performance excellence, it's time to dominate the Battlefield

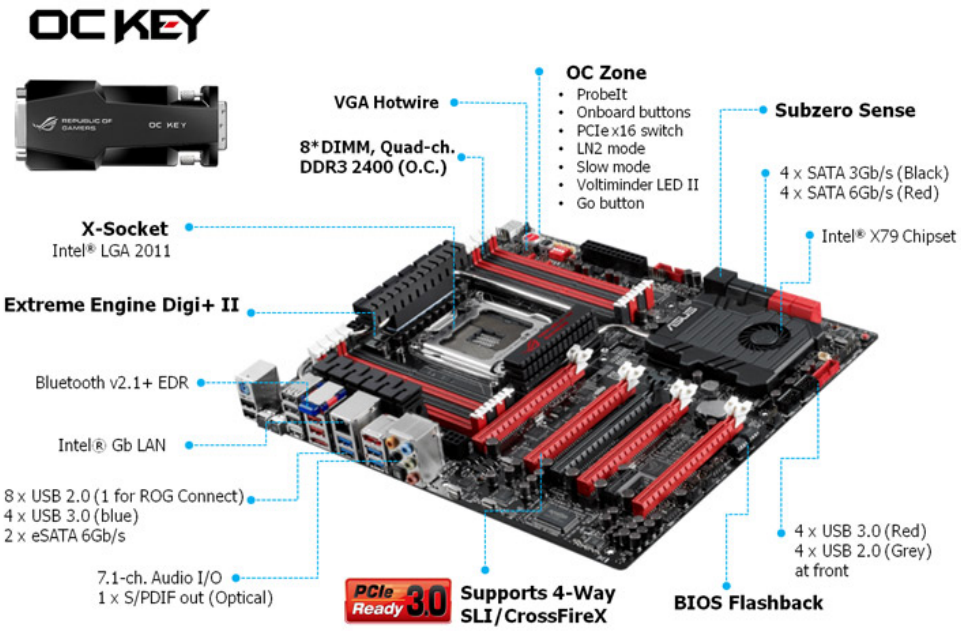
The Choice of Champions

The Republic of Gamers consists only the best of the best. We offer the best hardware engineering, the fastest performance, the most innovating ideas, and we welcome the best gamers to join in.

In the Republic of Gamers, mercy rules are only for the weak, and bragging rights means everything. We believe in making statements and we excel in competitions. If your character matches our trait, then join the elite club, make your presence felt, in the Republic of Gamers.

ASUS ROG Rampage IV Extreme X79 motherboard video ›

Rampage IV Extreme/BATTLEFIELD 3 Product Overview



CPU & Chipset Features

LGA2011 Intel® Core™ i7

This motherboard supports the latest Intel® Sandy Bridge-E processors in the LGA2011 package, with memory and PCI Express controllers integrated to support 4-channel (8 DIMM) DDR3 memory and 16 PCI Express 3.0 lanes. This provides great graphics performance. Intel® Sandy Bridge-E processors are among the most powerful and energy efficient CPUs in the world.

Intel® X79 Chipset

The Intel® X79 Express Chipset is the latest single-chipset design that supports the new socket 2011 Intel® Core™ i7 Extreme Edition processors. It improves performance by utilizing serial point-to-point links, allowing for increased bandwidth and stability. Additionally, the X79 comes with 2 SATA 6Gb/s and 4 SATA 3Gb/s ports for faster data retrieval, doubling the bandwidth of current bus systems.

PCIe 3.0 Ready

PCIe 3.0 Ready

The latest PCI Express bus standard delivers imporved encoding for twice the performance of current PCIe 2.0. Total bandwidth for a x16 link reaches a maximum of 32GB/s, double the 16GB/s of PCIe 2.0 (in x16 mode). PCIe 3.0 provides users unprecedented data speeds combined with the convenience and seamless transition offered by complete backward compatibility with PCIe1.0 and PCIe 2.0 devices. It is a must-have feature PC users aiming to improve and optimize graphics performance, as well as have the latest, most future-proof technology.

* This motherboard is ready to support PCIe 3.0 SPEC. Functions will be available when using PCIe 3.0-compliant devices. Please refer to www.asus.com for updated details.

Multi-GPU Technology

SLI/CrossFire On-Demand

Why choose when you can have both?
SLI or CrossFireX? Fret no longer because with the ROG Rampage IV Extreme you'll be able to run both multi-GPU setups. The board features SLI/CrossFire on Demand technology, supporting up to four graphics cards in a 4-Way SLI or CrossFireX configuration. Whichever path you take, you can be assured of jaw-dropping graphics at a level previously unseen.

Memory features

Quad-Channel, DDR3 2400 MHz

Quad-Channel DDR3 2400 MHz
The motherboard supports DDR3 memory that features data transfer rates of 2400/2133/1866/1600/1333 MHz to meet the higher bandwidth requirements of the latest operation system, 3D graphics, multimedia, and Internet applications. The quad-channel DDR3 architecture double the bandwidth of your system memory to boost system performance.

OC KEY

OSD Monitor

The key to real time monitoring!
Knowing information is key in any situation. Monitor the status of your system in real-time with a convenient graphical overlay displayed right on screen with

OSD Monitor. It allows you to view POST codes in real-time, complete hardware status and even the readout from VGA Hotwire and Subzero Sense, all at a pure hardware level.

OSD TweakIt

The key to real time overclocking!
Tweak the parameters of your system in real-time with a convenient graphical overlay displayed right on the screen with OSD TweakIt. It provides you with a set of critical and hardware-driven functions so you can tweak your system on-the-fly.

ROG EZ DIY Features

X-Socket

Get more life out of your LGA1366 CPU coolers
Don't junk that expensive LGA1366 heatsink! With X-Socket, switch out the LGA2011 pad for a 1366 one and get more life out of your previous CPU cooler.
> Learn More

Sound with Clarity

7.1-channel Audio

Enjoy high-end sound system on your PC!
The onboard 7.1-channel HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output, jack-sensing feature, retasking functions and multi-streaming technology.

ROG Exclusive Features

VGA Hotwire

Hotwire your system
Love to overvolt but got mad trimming the tiny variable resistors? With the VGA Hotwire feature, plug the two-wire cable onboard and solder two wires on the VGA's voltage regulator and accurately adjust the voltage, taking your system to the next level while avoiding some risks.

Subzero Sense

Find out how cold your board is
Love overclocking in LN2 mode, but have trouble finding out just how cold your board is? Worry no more, with Subzero Sense you can read the system's temperature even in its coldest subzero degrees temperature.

Extreme Engine Digi+ II

Optimum power efficiency with premium components and intelligent digital design
The Extreme Engine Digi+ II has been upgraded and equipped with the finest Japan-made 10K Black metallic capacitors, while the digital VRM design allows you to achieve ultimate performance with adjustable CPU and memory power management frequencies. Precise adjustments create greater efficiency, stability, five times longer lifespan than solid capacitors* and performance for total system control. (*At operating temperature of 105°C)

ROG Connect

Plug and Overclock - Tweak it the hardcore way!
Monitor the status of your desktop PC and tweak its parameters in real-time via a notebook—just like a race car engineer—with ROG Connect. ROG Connect links your main system to a notebook through a USB cable, allowing you to view real-time POST code and hardware status readouts on your notebook, as well as make on-the-fly parameter adjustments at a purely hardware level.

GPU.DIMM Post

Easily check the status of your graphics cards and memory in the BIOS!
Notice potential problems even before you enter the OS! Overclockers can save valuable minutes in detecting component failure under extreme conditions. With GPU.DIMM Post, quickly and easily check your graphics cards and memory DIMMs status in the BIOS, potentially keeping that record-breaking overclock!

ROG iDirect

Tune your PC from your iPhone or iPad now!
Still overclocking your PC the old-fashioned way? Let ROG iDirect bring you a whole new tweaking experience right on your iPhone or iPad! Thanks to the Bluetooth card that comes with select ASUS ROG motherboards, you can monitor your PC and tweak parameters such as voltages and frequencies in real time wirelessly from your iPhone or iPad!

Bundled software

Kaspersky® Anti-Virus

The best protection from viruses and spyware Kaspersky® Anti-Virus Personal offers premium antivirus protection for individual users and home offices. It is based on advanced antivirus technologies. The product incorporates the Kaspersky® Anti-Virus engine, which is renowned for malicious program detection rates that are among the industry's highest.

DAEMON Tools Pro Standard

The real tool for optical and virtual discs
DAEMON Tools Pro offers essential functionality to backup CD, DVD and Blu-ray discs. It converts optical media into virtual discs and emulates devices to work with the virtual copies. DAEMON Tools Pro organizes data, music, video and photo collections on a PC, notebook or netbook.

Other Features

Intel Gigabit LAN

Experience the fast network connectivity!
The LAN solution from Intel has been long known to have a better throughput, lower CPU utilization as well as better stability. With the Intel Gigabit LAN solution onboard, the ultimate network experience can therefore be delivered to its users like never before.

Specifications

CPU	Intel® Socket 2011 for 2nd Generation Core™ i7 Processors Supports Intel® Turbo Boost Technology 2 * Refer to www.asus.com for CPU support list
Chipset	Intel® X79
Memory	8 x DIMM, Max. 64GB, DDR3 2400(O.C.)/2133(O.C.)/1866/1600/1333/1066 MHz Non-ECC, Un-buffered Memory Quad Channel Memory Architecture Supports Intel® Extreme Memory Profile (XMP) * Hyper DIMM support is subject to the physical characteristics of individual CPUs. * Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists).
Multi-GPU Support	Supports NVIDIA® 4-Way SLI™ Technology Supports AMD 4-Way CrossFireX Technology
Expansion Slots	4 x PCIe 3.0/2.0 x16 *1 1 x PCIe 3.0/2.0 x16 (x8 mode, gray) *1 1 x PCIe 2.0 x1
Storage	**Intel® X79 chipset :** 2 x SATA 6Gb/s port(s), red 4 x SATA 3Gb/s port(s), black Support Raid 0, 1, 5, 10 **ASMedia® PCIe SATA controller :** 2 x eSATA 6Gb/s port(s), red 2 x SATA 6Gb/s port(s), red
LAN	Intel®, 1 x Gigabit LAN Controller(s)
Bluetooth	Bluetooth V2.1+EDR
Audio	Realtek® ALC898 7.1-Channel High Definition Audio CODEC - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking **Audio Feature :** - Blu-ray audio layer Content Protection - Optical S/PDIF out port(s) at back panel
USB Ports	**ASMedia® USB 3.0 controller :** 8 x USB 3.0 port(s) (4 at back panel, blue, 4 at mid-board) **Intel® X79 chipset :** 12 x USB 2.0 port(s) (8 at back panel, black+red, 4 at mid-board)
Overclocking Features	**ROG OC Key** - OSD TweakIt - OSD Monitor **ROG Connect :** - RC Diagram - RC Remote - RC Poster - GPU TweakIt **ROG iDirect** **Extreme Engine Digi+ II :** - 8 -phase CPU power design - 3 -phase VCCSA power design - 2 + 2 phase DRAM power design **ROG Extreme OC kit :** - Subzero Sense - VGA Hotwire - Slow Mode - LN2 Mode - PCIe x16 Lane Switch - Q Reset - EZ Plug **ProbeIt** **UEFI BIOS features :** - ROG BIOS Wallpaper - GPU.DIMM Post **iROG** **Extreme Tweaker** **Loadline Calibration** **BIOS Flashback** **USB BIOS Flashback** **Overclocking Protection :** - COP EX (Component Overheat Protection - EX) - Voltiminder LED II - ASUS C.P.R.(CPU Parameter Recall)
Special Features	**ASUS EPU :** - EPU

	CPU Level Up **ASUS Exclusive Features** : - MemOK! - Onboard Button : Power/Reset/Clr CMOS (at back IO) **ASUS Quiet Thermal Solution** : - ASUS Q-Fan Plus - ASUS Fan Xpert **ASUS EZ DIY :** - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 **ASUS Q-Design :** - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s) 1 x Bluetooth module(s) 2 x eSATA 6Gb/s 1 x LAN (RJ45) port(s) 4 x USB 3.0 8 x USB 2.0 (one port can be switched to ROG Connect) 1 x Optical S/PDIF out 5 x Audio jack(s) 1 x Clear CMOS button(s) 1 x ROG Connect On/ Off switch(es) 1 x RC Bluetooth switch(es)
Internal I/O Ports	2 x USB 3.0 connector(s) support(s) additional 4 USB 3.0 port(s) 2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s) 4 x SATA 6Gb/s connector(s) 4 x SATA 3Gb/s connector(s) 2 x CPU Fan connector(s) 3 x Chassis Fan connector(s) 3 x Optional Fan connector(s) 1 x S/PDIF out header(s) 1 x 24-pin EATX Power connector(s) 1 x 8-pin ATX 12V Power connector(s) 1 x 4-pin ATX 12V Power connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x System panel(s) 1 x OC Key header(s) 1 x OT header(s) 2 x Subzero Sense connector(s) 1 x Slow Mode switch(es) 7 x ProbeIt Measurement Points 3 x Thermal sensor connector(s) 1 x LN2 Mode header(s) 1 x Q Reset switch(es) 2 x EZ Plug connector(s) (4-pin in white for memory DIMMs; 6-pin in black for PCIe slots) 1 x Power-on button(s) 1 x Reset button(s) 1 x Go Button(s) 1 x BIOS Switch button(s)
Accessories	I/O Shield 4 x SATA 3Gb/s cable(s) 4 x SATA 6Gb/s cable(s) 1 x 3-Way SLI bridge(s) 1 x 4-Way SLI bridge(s) 1 x SLI bridge(s) 1 x CrossFire cable(s) 1 x Q-connector(s) (2 in 1) 1 x ROG Connect cable(s) 1 x ProbeIt cable set(s) 1 x 12 in 1 ROG Cable Label(s) 1 x OC Key(s) 1 x OC Key cable(s) 1 x X-Socket pad(s) 1 x BATTLEFIELD 3 Key Code(s) 1 x BATTLEFIELD 3 Lanyard(s)
BIOS	2 x 64Mb Flash ROMs, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a Multi-Language BIOS
Manageability	WfM2.0, DMI2.0, WOL by PME, WOR by PME, PXE
Support Disc	Support DVD: - Drivers and Applications Kaspersky Anti-Virus ASUS TurboV EVO Utility

	ASUS PC Probe II ASUS Update ASUS AI Suite II ASUS AI Charger+ Daemon Tool Pro Standard ASUS WebStorage
Form Factor	Extended ATX Form Factor 12 inch x 10.7 inch (30.5 cm x 27.2 cm)
Note	* This motherboard is ready to support PCIe 3.0 SPEC. Functions will be available when using PCIe 3.0-compliant devices. Please refer to www.asus.com for updated details.